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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/664,936	09/22/2003	Yin-Chun Huang	BHT-3111-364	5094
7590	06/13/2006		EXAMINER	
BRUCE H. TROXELL SUITE 1404 5205 LEESBURG PIKE FALLS CHURCH, VA 22041			LEE, CHEUKFAN	
			ART UNIT	PAPER NUMBER
			2625	

DATE MAILED: 06/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/664,936	HUANG ET AL.	
	Examiner	Art Unit	
	Cheukfan Lee	2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 22 September 2003.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) _____ is/are rejected.
- 7) Claim(s) 1-18 is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 22 September 2003 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____.

1. Claims 1-18 are presented for examination. Claim 1 is independent.
2. This application is in condition for allowance except for the following formal matters:

In the abstract:

Line 5 of page 14, "receive" should be changed to – for receiving --;

Line 6, "to be scanned" should read – being scanned --;

Line 10, "to be scanned directionally" should read – being scanned is directionally --;

Line 11, "focus" should read – focuses --;

Line 12, "change it" should read – changes it --;

Line 14, "may receive" should be changed to – receives – so that the light is actually received;

Line 15, "convert" should read – converts --; and

Line 16, "prior lens set" should read – prior art lens set --.

In the specification:

The specification contains many minor errors that should be corrected, some of which are listed below:

Page 1, Line 6, "may achieve" should be changed to – achieves – so that a scanning job without a lens set is actually achieved;

Line 7, "lens set" should read – a lens set --;

Line 14, "linear motion" should read – in linear motion --;

Line 24, "entering" should read – enters –; and

Line 32, "prior" should read – prior art --;

In the claims:

In claim 1, line 1 of the claim, "receive the light" should be changed to – for receiving light --;

lines 1-2 of the claim, "to be scanned" should read – being scanned --;

line 3 of the claim, "provide" should be changed to – for providing --;

line 4 of the claim, "by" should read – wherein, by – or – wherein by --;

line 5 of the claim, "to be scanned directionally" should read – being scanned is directionally --;

line 7 of the claim, "focus" should read – for focusing --;

line 8, "change it" should read – changing it --;

line 11 of the claim, "receive" should read – for receiving --; and

line 12 of the claim, "convert" should read – converting --.

In claim 3, line 2 of the claim, "as long narrow stripe" should read – as a long narrow stripe --.

In claim 4, lines 1-2 of the claim, "the number" should read – a number --;

lines 2-3 of the claim, "as long narrow stripe" should read – as a long narrow stripe --.

In claim 10, lines 1-2 of the claim, "each curving mirror" should read – each of the at least one curving mirror – or – each of said at least one curving mirror --.

In claim 11, line 3 of the claim, "curing" should – curving --.

In claim 12, line 3 of the claim, "each reflective mirror" should read – each of the at least one reflective mirror --.

In claim 13, line 4 of the claim, "accommodated" should read – is accommodated --, and "directly the" should read – directly in the --.

In claim 14, line 2 of the claim, "comprised of" should read – are comprised of --; and "be pasted" should read – are pasted --.

In claim 15, lines 1-2 of the claim, "the numbers" should read – a number --.

In claim 18, lines 1-2 of the claim, "the reflective mirror" should read – the at least one reflective mirror – since the number of mirrors adjusted is "several" as recited on line 3 of the claim;

line 3 of the claim, "it change" should read – it changes --; and
line 5 of the claim, "to be scanned will be" should be changed to – being
scanned is --.

Claims 1, 3, 4, 10-15, and 18 are objected to. Claims 2, 5-9, 16, and 17 are
objected to as being dependent upon the objected base claim 1.

**In this Office Action, the abstract, specification, and all claims 1-18 are
objected to.**

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO
MONTHS** from the mailing date of this letter.

3. The following is an examiner's statement of reasons for allowance:

Claim 1 would be allowable over the prior art of record. The prior art, cited below
in section 4, does not teach a scanner's optical device comprising a combination of the
following components and their positional relationship:

several reflecting mirrors;
a light-focusing module comprising at least one curving mirror and a raster, which
raster is provided in the light route of the curving mirror for filtering out unnecessary
light;

a charge-coupled device;
the positional relationship between the several reflecting mirrors, the light-focusing module, and the charge-coupled device; and
the positional relationship between the at least one curving mirror and the raster of the light-focusing module
as claimed in claim 1.

Claims 2-18 depend on claim 1, directly or indirectly, and thus would be allowable for the reason given for claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Huang et al. (U.S. Patent Application Publication No. US 2004/0057097 A1)

Hakamata (U.S. Patent Application Publication No. US 2005/0002317 A1), Figs. 3A and 3B

Copenhaver et al. (U.S. Patent No. 5,519,513), Fig. 1A

Murano et al. (U.S. Patent No. 5,617,131), Fig. 14

Onishi et al. (U.S. Patent No. 6,917,453), a slit 41

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cheukfan Lee whose telephone number is (571) 272-7407. The examiner can normally be reached on 9:30 a.m. to 6:00 p.m., Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward L. Coles can be reached on (571) 272-7402. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Cheukfan Lee
June 8, 2006

A handwritten signature in black ink, appearing to read "Cheukfan Lee".